SELCO

C6200 / HyperTerminal

User's Manual

Revision: 29.08.2007

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1 Preface

The SELCO C6200 module are easily configured by clear text commands issued through the built-in RS232 interface. A standard TTY/ANSI terminal emulator is used as programming tool.

This manual describes the installation and configuration of the HyperTerminal terminal emulator. HyperTerminal is included with the Microsoft Windows operating systems.

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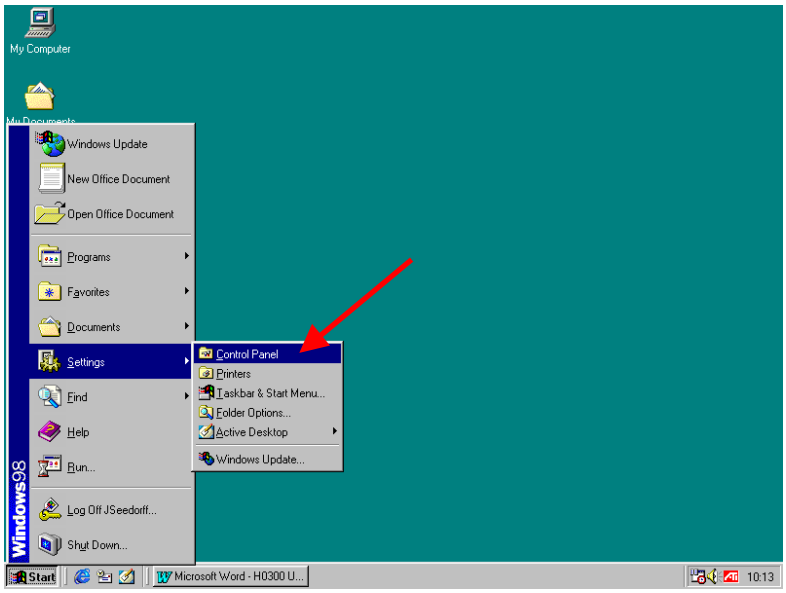
2 Installing HyperTerminal

HyperTerminal is the terminal emulation software included with the Microsoft Windows operating system. HyperTerminal is delivered together with most versions of Windows, including Windows 95/98, Windows ME, Windows NT, Windows 2000 and Windows XP.

HyperTerminal might or might not be installed on your PC. It depends on the version of Windows used, as well as whether or not the choice was made to install HyperTerminal during the initial installation of Windows.

If HyperTerminal is already accessible on your system, you can move on to the next section of this manual (Configuring HyperTerminal). Else you will need to follow the installation procedure described below. The procedure is based on Windows 98, which typically do include HyperTerminal in the default installation. The procedure is very similar in other versions of Windows. However, there might be minor differences in the layout of the user interface (menus, dialogues etc.).



Left click on the *Start* button located at the lower left corner of the Windows desktop. Then select *Control Panel* from the *Settings* menu.

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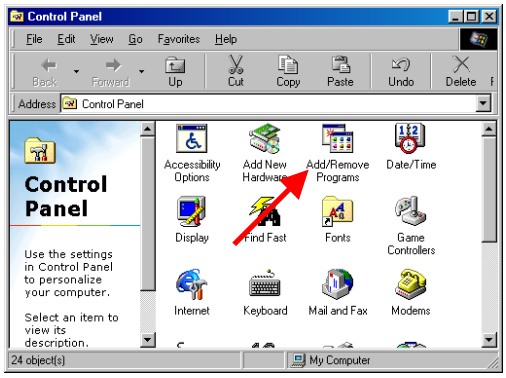
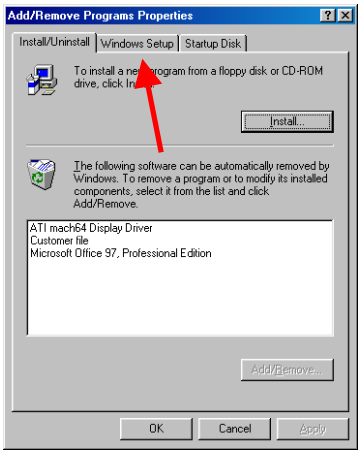
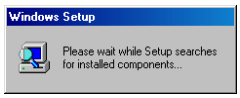


The *Control Panel* windows will emerge on the screen. Now double-click (left mouse button) on the *Add/Remove Programs* icon.


Add/Remove Programs Properties
Install/Uninstall
Windows Setup
Startup Disk
To install a new program from a floppy disk or CD-ROM drive, click Install.
Install...
The following software can be automatically removed by Windows. To remove a program or to modify its installed components, select it from the list and click Add/Remove.
ATI mach64 Display Driver
Customer file
Microsoft Office 97, Professional Edition
Add/Remove...
OK
Cancel
Apply

Double clicking on the *Add/Remove Programs* icon will bring up the *Add/Remove Programs Properties* dialog.

The HyperTerminal application is part of the Windows setup (it's on the Windows CD-ROM), thus its necessary to left click on the *Windows Setup* tab.



Before showing the installed components, Windows needs a couple of seconds to scan the PC. The above message is shown while this takes place.

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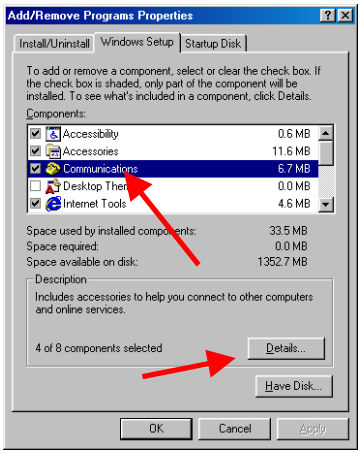
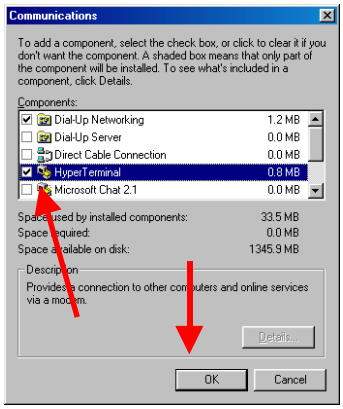
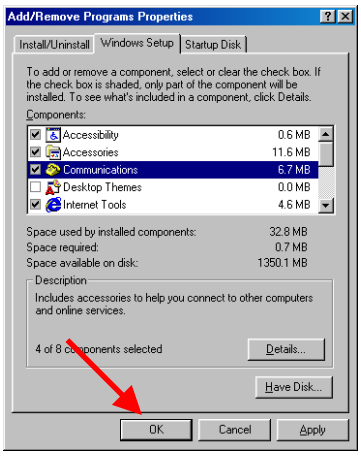

Add/Remove Programs Properties
Install/Uninstall
Windows Setup
Startup Disk
To add or remove a component, select or clear the check box. If the check box is shaded, only part of the component will be installed. To see what's included in a component, click Details.
Components:
Accessibility 0.6 MB
Accessories 11.6 MB
Communications 6.7 MB
Desktop Themes 0.0 MB
Internet Tools 4.6 MB
Space used by installed components: 33.5 MB
Space required: 0.0 MB
Space available on disk: 1352.7 MB
Description
Includes accessories to help you connect to other computers and online services.
4 of 8 components selected
Details...
Have Disk...
OK
Cancel
Apply

Now left click on *Communications* components. Then left click on the *Details* button.


Communications
To add a component, select the check box, or click to clear it if you don't want the component. A shaded box means that only part of the component will be installed. To see what's included in a component, click Details.
Components:
Dial-Up Networking 1.2 MB
Dial-Up Server 0.0 MB
Direct Cable Connection 0.0 MB
HyperTerminal 0.8 MB
Microsoft Chat 2.1 0.0 MB
Space used by installed components: 33.5 MB
Space required: 0.0 MB
Space available on disk: 1345.9 MB
Description
Provides a connection to other computers and online services via a modem.
Details...
OK
Cancel

Left click on the check box just left of the *HyperTerminal* application. Afterwards left click on the *OK* button.


Add/Remove Programs Properties
Install/Uninstall
Windows Setup
Startup Disk
To add or remove a component, select or clear the check box. If the check box is shaded, only part of the component will be installed. To see what's included in a component, click Details.
Components:
Accessibility 0.6 MB
Accessories 11.6 MB
Communications 6.7 MB
Desktop Themes 0.0 MB
Internet Tools 4.6 MB
Space used by installed components: 32.8 MB
Space required: 0.7 MB
Space available on disk: 1350.1 MB
Description
Includes accessories to help you connect to other computers and online services.
4 of 8 components selected
Details...
Have Disk...
OK
Cancel
Apply

Left click on the *OK* button to begin the installation of HyperTerminal.

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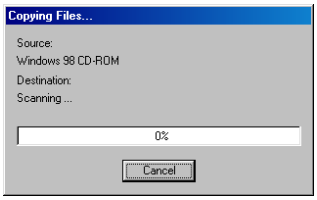

Windows might now ask for the Windows CD-ROM. After inserting the CD-ROM (if required), Windows will install the files associated with the HyperTerminal application.

This concludes the installation of the HyperTerminal application.

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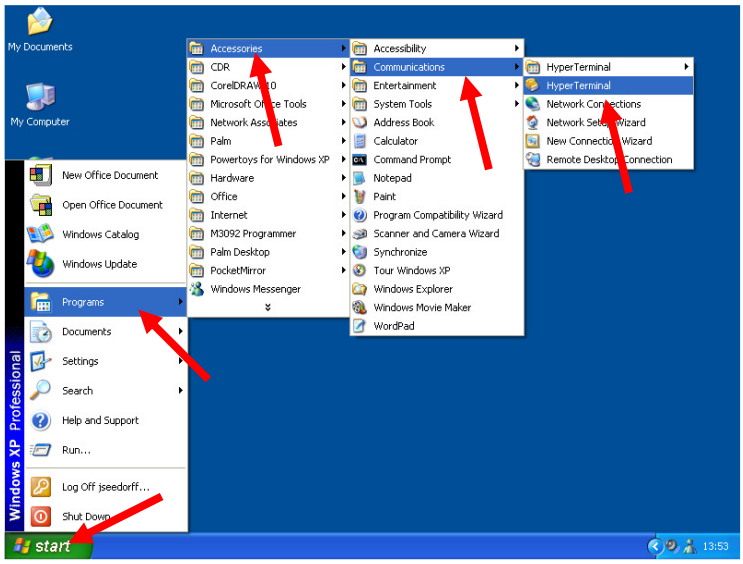
3 Configuring HyperTerminal

The example shown below is based on the HyperTerminal application delivered with Windows XP Professional. Other versions of HyperTerminal/Windows may vary a bit in appearance; however the configuration sequence should be more or less the same.

First, start up the PC and wait until the Desktop to appear.



Left click on the *Start* button at the lower left corner to activate the *Windows Start Menu*. Then move the mouse pointer to *Programs*, *Accessories*, *Communications*. To start the application, left click on *HyperTerminal*.

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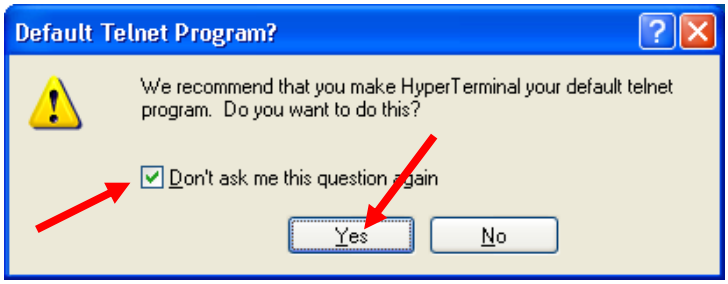
Default Telnet Program?
We recommend that you make HyperTerminal your default telnet program. Do you want to do this?
Don't ask me this question again
Yes
No

Left click on the *Don't ask me this question again* check box.

Left click on the *Yes* button to continue.

Left click in the *Name* box and enter a name for the new connection (e.g. *Direct COM1*). Then select an icon (move the slider and left/right and click on the desired icon).

Left click on the *OK* button to continue.

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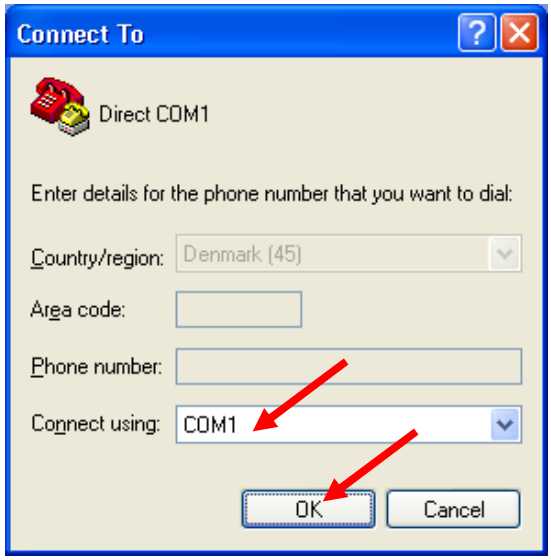
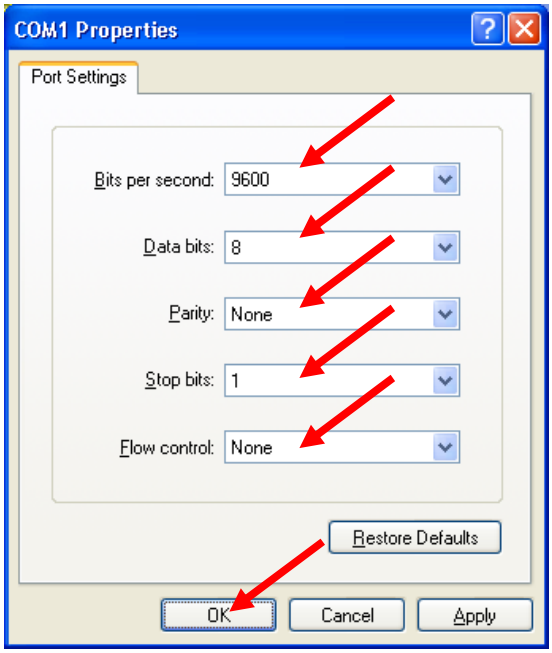


At the *Connect Using* combo box, left click to select the COM-port. Select the COM-port you wish to use (e.g. *COM1* or *COM2*).

It's normally not possible to use COM1 and COM3 (or COM2 and COM4) simultaneously, e.g. you cannot use COM3 while you are using a mouse or a modem on COM1 (vise versa). The reason is that the two ports share the same interrupt request. COM1 and COM2 (and COM3 and COM4) can however be used simultaneously, as these two COM-ports works on different interrupts.

Left click on the *OK* button to continue.



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Select *9600* from the *Bits per second* combo box.

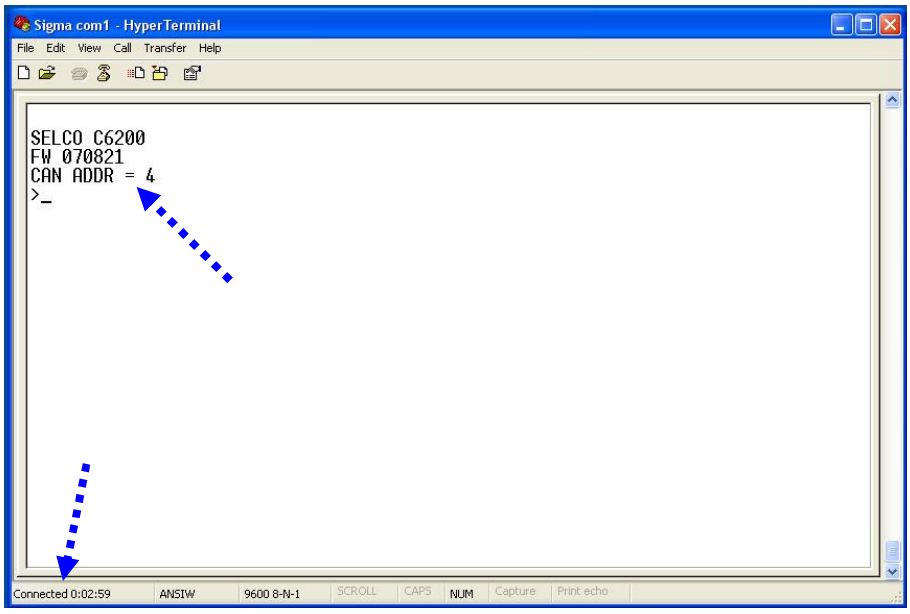
Select *8* from the *Data bits* combo box.

Select *None* from the *Parity* combo box.

Select *1* from the *Stop bits* combo box.

Select *None* from the *Flow control* combo box.

Left click on the *OK* button to continue.



The *HyperTerminal* application is now ready for use. Please note that the C6200 module will acknowledge active connection with a welcome message (showing the revision info of its software as a date) and a prompt. Also check that the word *Connected* appears at the low left hand corner of the window. If not, left click on the call icon (third icon on the toolbar).

You might want to save a short-cut to the Desktop, so that you can easily start the pre-configured HyperTerminal next time you need it.

Left click on the *File* menu.

Choose *Save As...*

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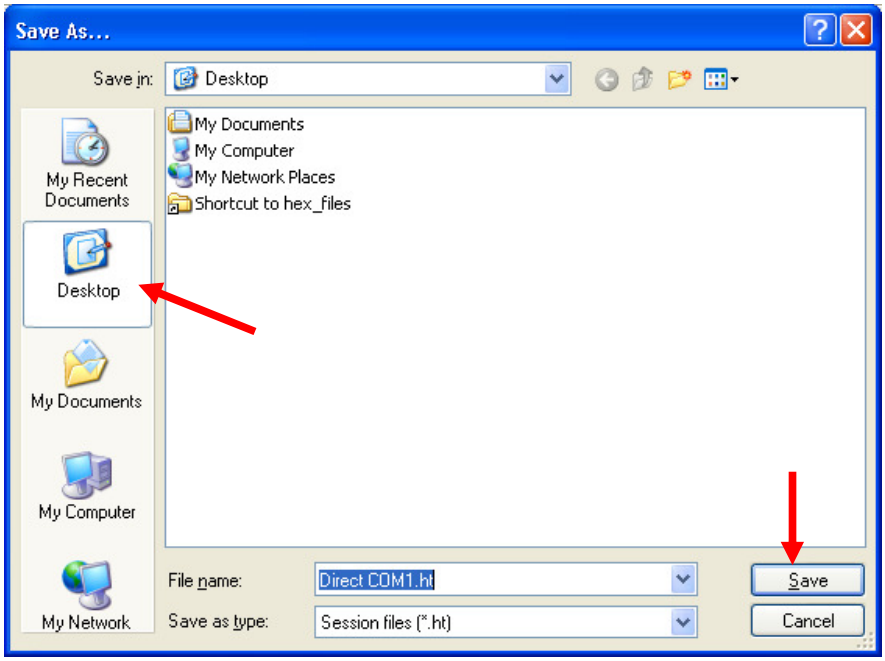

This is the Save As… dialogue.

Left click on the *Desktop* icon (on the left side of the dialogue)

Left click on the *Save* button.

You should now find a *Direct COM1.ht* short-cut on your Windows desktop. Double click (using the left mouse button) on this icon next time you need to use HyperTerminal to configure a C6200 module.

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4 Starting a pre-configured HyperTerminal

A previously saved HyperTerminal configuration saves you the hassle of going through the configuration procedure every time you need to access the RS232 based configuration of a C6200 module. The procedure for setting up the configuration short-cut is explained earlier in this manual.

To start the pre-configured HyperTerminal, first start up the PC and wait until the Desktop is ready for your command.

Now double click on the *Direct COM1.ht* icon located on the Desktop.

This causes the *HyperTerminal* application to execute in a pre-configured state.

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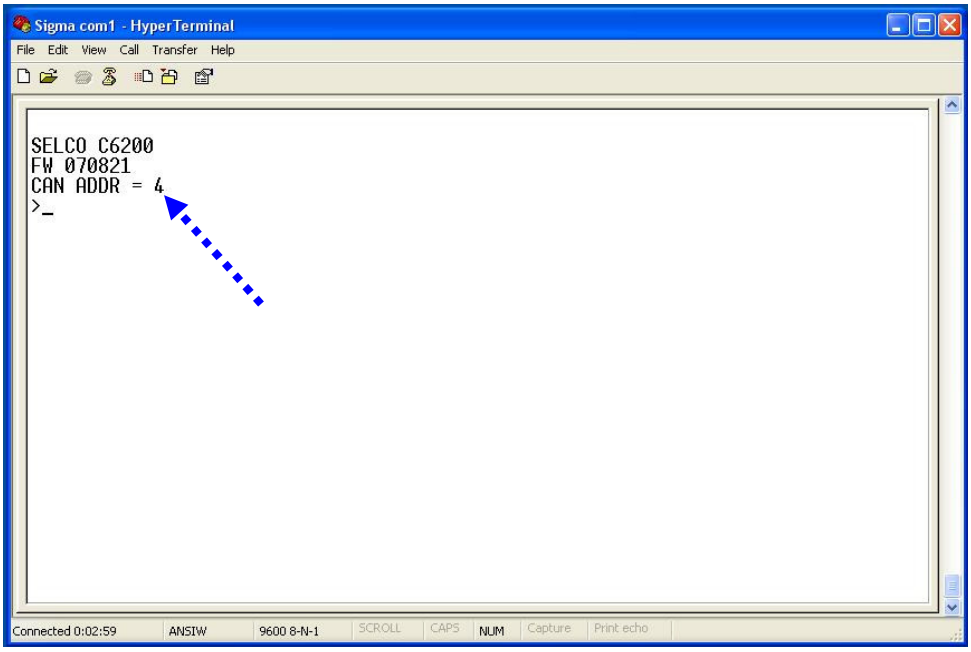

HyperTerminal is started and ready for use. The C6200 module will (provided that it is connected) acknowledge active connection with a welcome message and a prompt.

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5 Configuring the C6200 module

The C6200 modules are configured by clear text commands using a terminal emulator. Each configuration parameter has its own text command, which means that it is only necessary to issue the commands for the parameters that needs to be changed.

Start the pre-configured HyperTerminal application as explained earlier in this manual (double click on the *Direct COM1.ht* short-cut located on the desktop).

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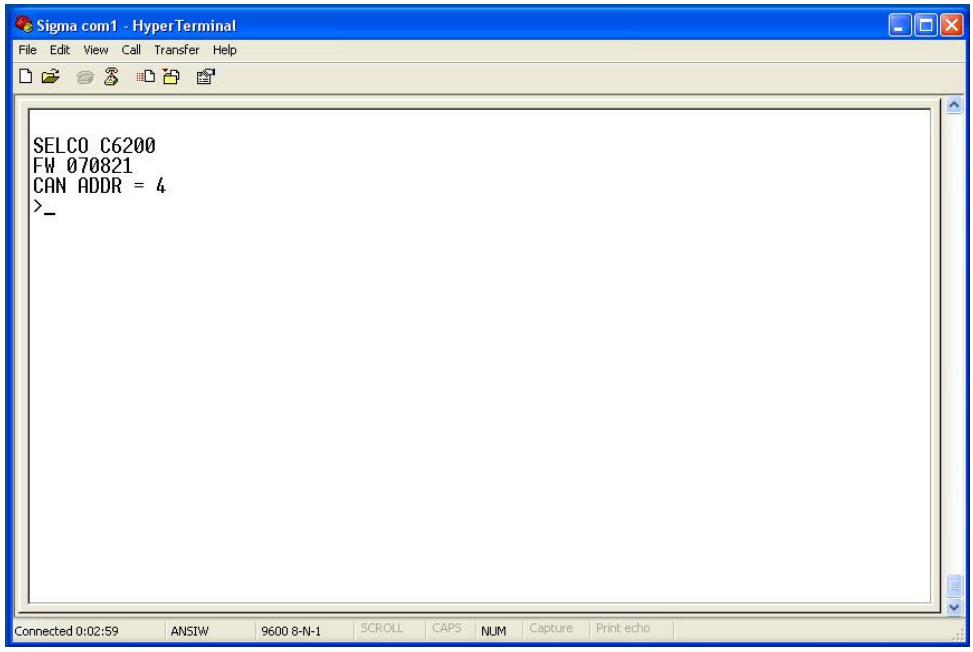
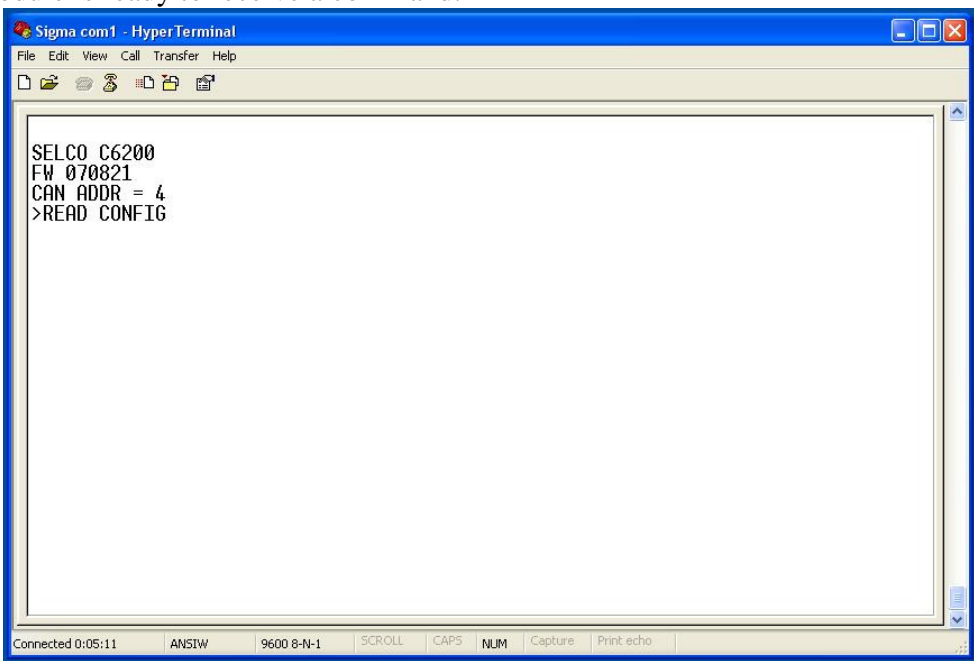


The HyperTerminal application will start and the C6200 module will acknowledge the connection with a short welcome message and a “>” prompt. The prompt indicates that the module is ready to receive a command.



The first command to try out could be *READ CONFIG* (read configuration).

The *READ CONFIG* command makes the module respond with a list of commands. The listed commands represent the current settings.

Type *READ CONFIG* at the prompt and hit the ENTER key.

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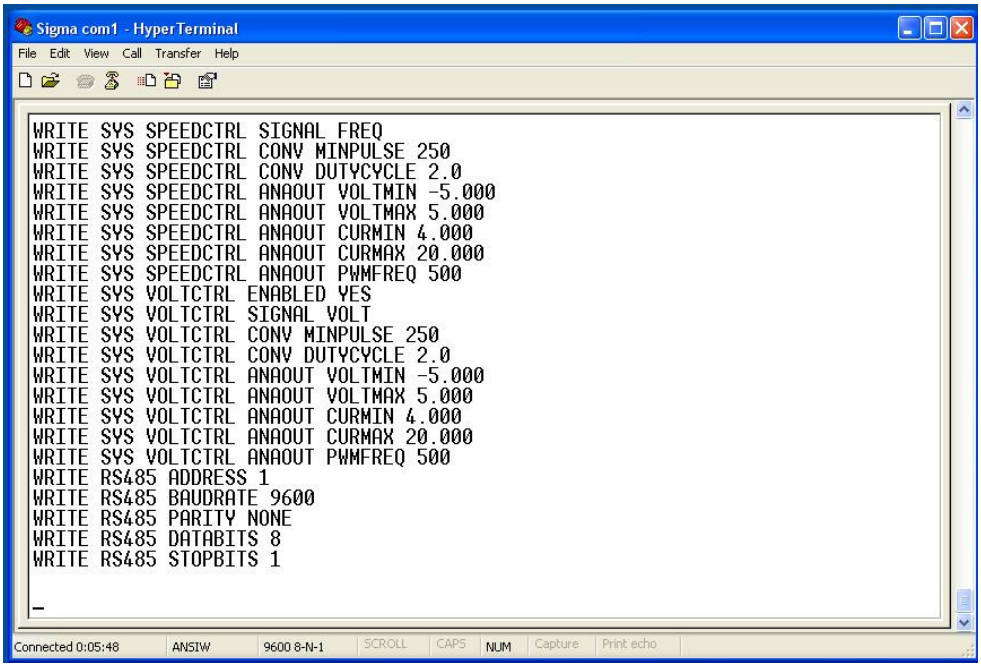
Sigma com1 - HyperTerminal
File Edit View Call Transfer Help
WRITE SYS SPEEDCTRL SIGNAL FREQ
WRITE SYS SPEEDCTRL CONV MINPULSE 250
WRITE SYS SPEEDCTRL CONV DUTYCYCLE 2.0
WRITE SYS SPEEDCTRL ANAOUT VOLTMIN -5.000
WRITE SYS SPEEDCTRL ANAOUT VOLTMAX 5.000
WRITE SYS SPEEDCTRL ANAOUT CURMIN 4.000
WRITE SYS SPEEDCTRL ANAOUT CURMAX 20.000
WRITE SYS SPEEDCTRL ANAOUT PWMFREQ 500
WRITE SYS VOLTCTRL ENABLED YES
WRITE SYS VOLTCTRL SIGNAL VOLT
WRITE SYS VOLTCTRL CONV MINPULSE 250
WRITE SYS VOLTCTRL CONV DUTYCYCLE 2.0
WRITE SYS VOLTCTRL ANAOUT VOLTMIN -5.000
WRITE SYS VOLTCTRL ANAOUT VOLTMAX 5.000
WRITE SYS VOLTCTRL ANAOUT CURMIN 4.000
WRITE SYS VOLTCTRL ANAOUT CURMAX 20.000
WRITE SYS VOLTCTRL ANAOUT PWMFREQ 500
WRITE RS485 ADDRESS 1
WRITE RS485 BAUDRATE 9600
WRITE RS485 PARITY NONE
WRITE RS485 DATABITS 8
WRITE RS485 STOPBITS 1
Connected 0:05:48 ANSIW 9600 8-N-1 SCROLL CAPS NUM Capture Print echo

The list of configuration commands exceeds the number of lines in the HyperTerminal window (we will deal with this problem later). Note however that the current configuration of the module is shown as a list of commands. These commands are actually shown in the same way as they should be typed. In other words, the module responds as it would like to be commanded.

Note that it is necessary to hit ENTER key to make the “>” prompt appear after a READ CONFIG command.

The last command (WRITE RS485 STOPBITS 1) indicates that the number of stop bits on the RS485 port is currently set to 1. Lets for the sake of example, change the number of stop bits to 2.

We will first have to switch the module from READ ONLY to READ/WRITE MODE. This is done using the ENABLE command.

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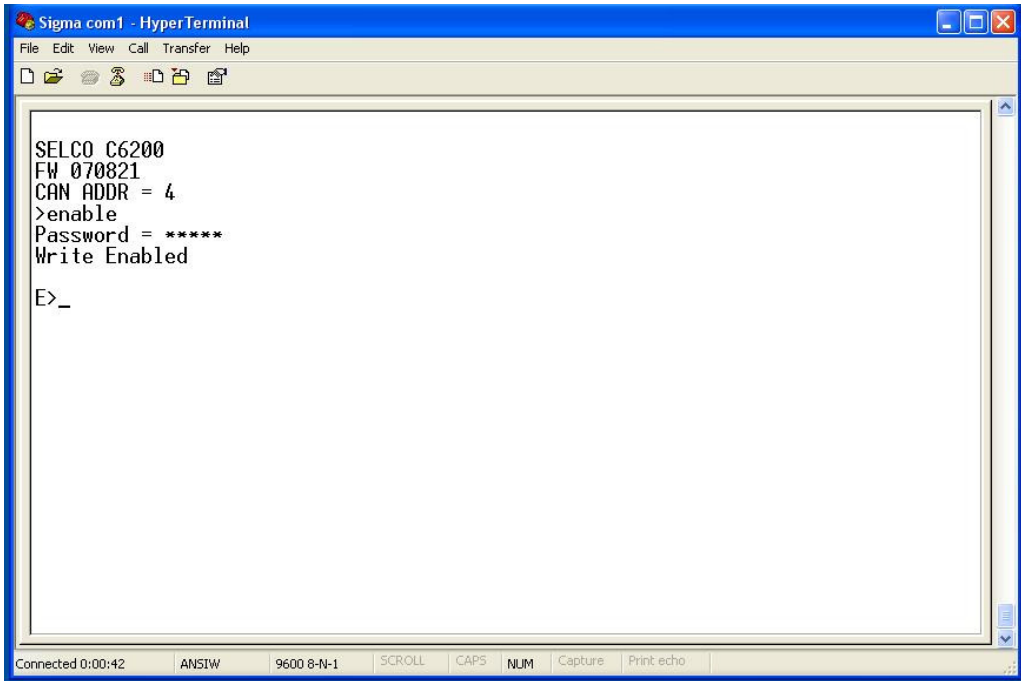

The module will now ask for the password. The default password is 0000 (four zeros). Please note that the RS232 console password works independently from the password of the user interface.

Once the password is entered, the module will acknowledge the entry into READ/WRITE mode with an “E” in front of the prompt. The module can be switched back to READ ONLY mode using the disable command.

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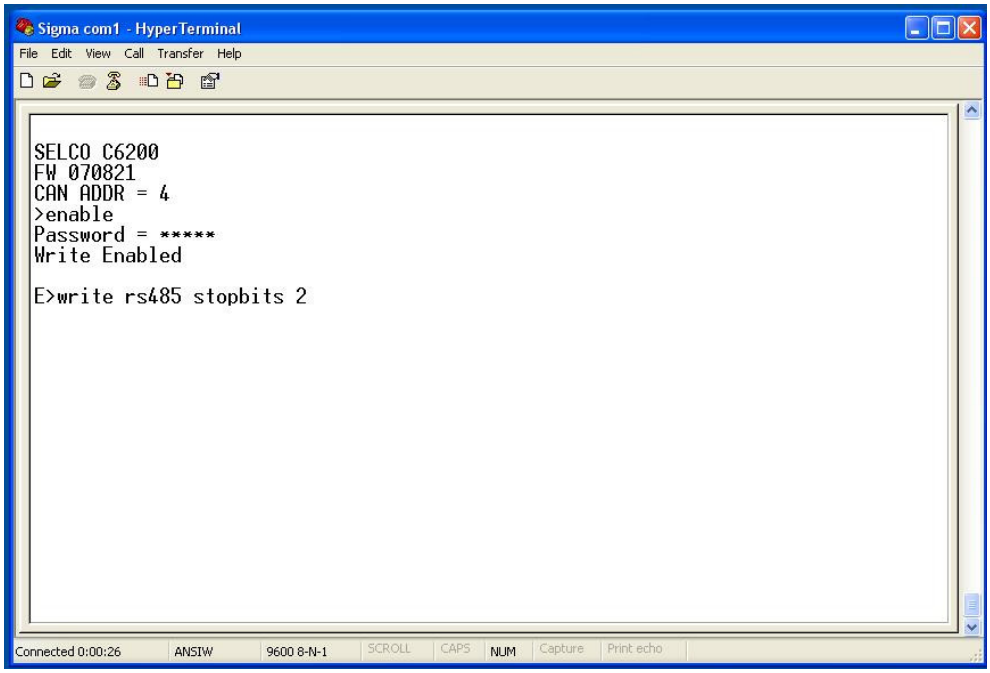
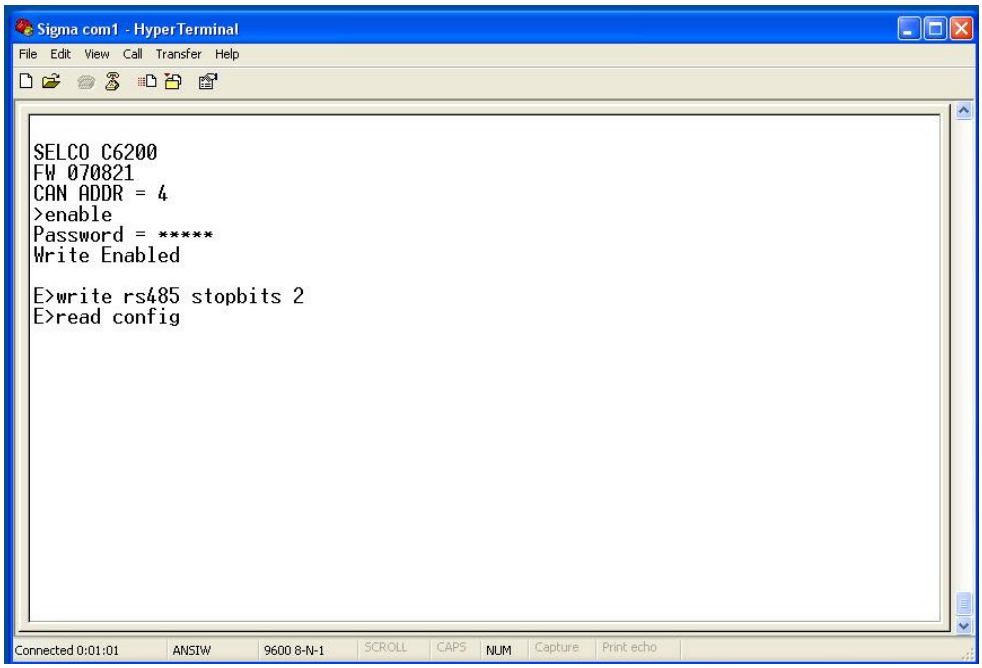


Now type the command *WRITE RS485 STOPBITS 2* at the prompt and hit the ENTER key.



The module accepts the command without any error response. This indicates that the command is valid.

Now check the configuration with another *READ CONFIG* command. Hit ENTER after typing the command at the prompt.

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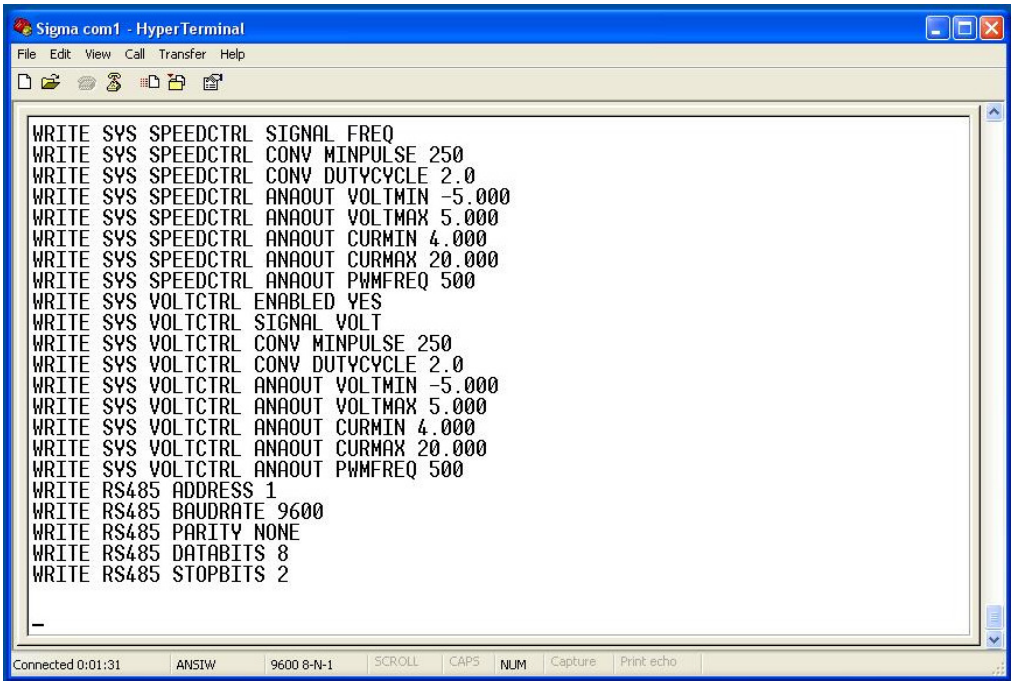
Sigma com1 - HyperTerminal
File Edit View Call Transfer Help
WRITE SYS SPEEDCTRL SIGNAL FREQ
WRITE SYS SPEEDCTRL CONV MINPULSE 250
WRITE SYS SPEEDCTRL CONV DUTYCYCLE 2.0
WRITE SYS SPEEDCTRL ANAOUT VOLTMIN -5.000
WRITE SYS SPEEDCTRL ANAOUT VOLTMAX 5.000
WRITE SYS SPEEDCTRL ANAOUT CURMIN 4.000
WRITE SYS SPEEDCTRL ANAOUT CURMAX 20.000
WRITE SYS SPEEDCTRL ANAOUT PWMFREQ 500
WRITE SYS VOLTCTRL ENABLED YES
WRITE SYS VOLTCTRL SIGNAL VOLT
WRITE SYS VOLTCTRL CONV MINPULSE 250
WRITE SYS VOLTCTRL CONV DUTYCYCLE 2.0
WRITE SYS VOLTCTRL ANAOUT VOLTMIN -5.000
WRITE SYS VOLTCTRL ANAOUT VOLTMAX 5.000
WRITE SYS VOLTCTRL ANAOUT CURMIN 4.000
WRITE SYS VOLTCTRL ANAOUT CURMAX 20.000
WRITE SYS VOLTCTRL ANAOUT PWMFREQ 500
WRITE RS485 ADDRESS 1
WRITE RS485 BAUDRATE 9600
WRITE RS485 PARITY NONE
WRITE RS485 DATABITS 8
WRITE RS485 STOPBITS 2
Connected 0:01:31 ANSIW 9600 8-N-1 SCROLL CAPS NUM Capture Print echo

It can now be seen that the number of stop bit has been changed to 2.

The remaining parameters can be altered in exactly the same way. The changed is stored and made active within the module once the user has pressed the ENTER key (assuming that the command is spelled correctly and no error is reported).

Remember to set the number of stop bits back to 1, following a procedure similar to the one described above.

Keep in mind that the default configuration can be restored at any time by issuing the command WRITE SYS SETUPDEFAULT YES. The default configuration is then restored after the power to the module has been turned off and on.

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6 Backing up the configuration

It's often practical to make a backup copy of the configuration. The backup copy can be stored for safe keeping or it can be sent to SELCO for evaluation and trouble shooting.

Start the HyperTerminal from the desktop short-cut (double click on the *Direct COM1.ht* short-cut).

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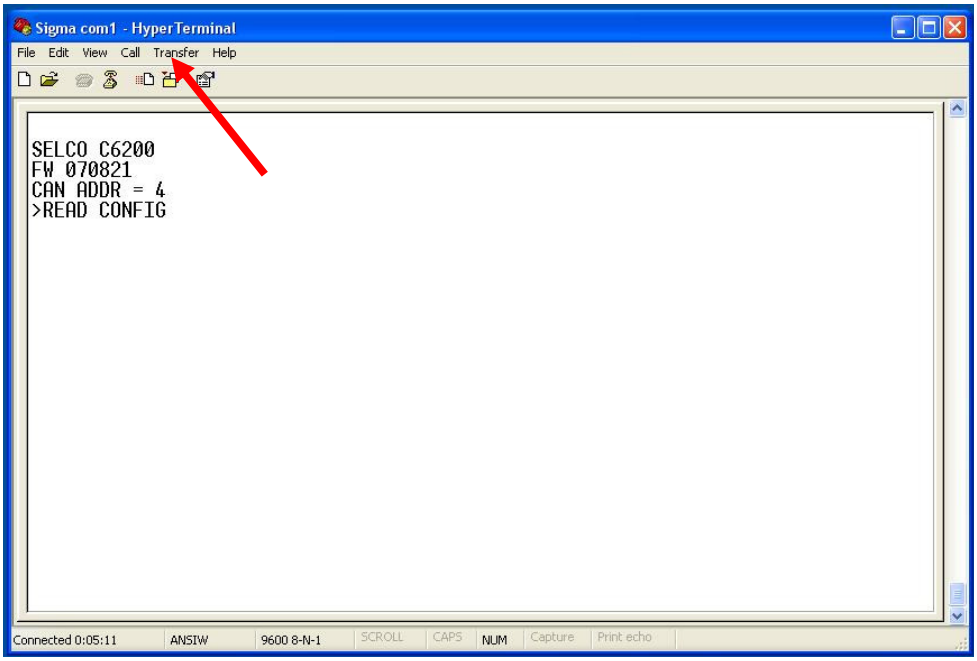
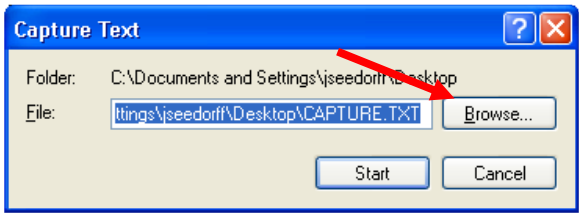


Type READ CONFIG at the prompt, however at this time do not press ENTER.

Left click on the *Transfer* menu.

Select *Capture Text...*



Left click on the *Browse…* button.

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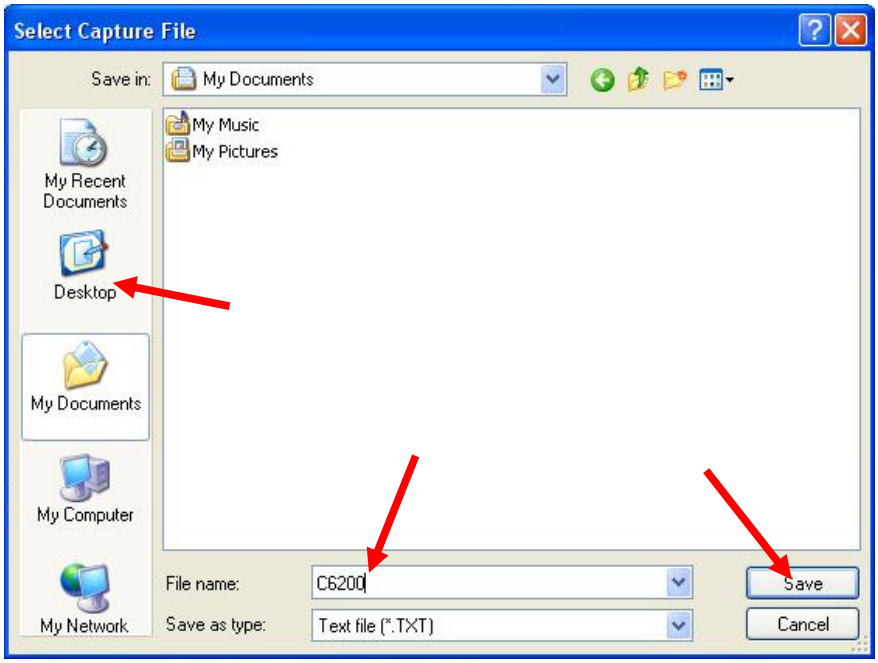
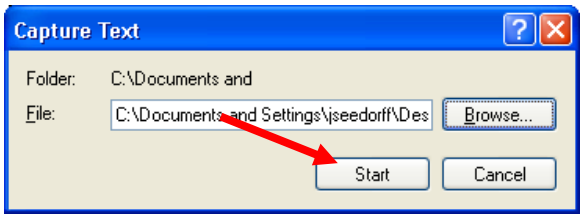


It's now necessary to choose a location and filename for the text file that is to contain the configuration backup.

Left click on the *Desktop* icon at the left side of the dialogue.

Enter *C6200 Config* (or whatever name you prefer) into the *File name* field.

Left click on the *Save* button.



Left click on the *Start* button to start the capture.

Now hit the ENTER key to execute the READ CONFIG command that was typed previously.

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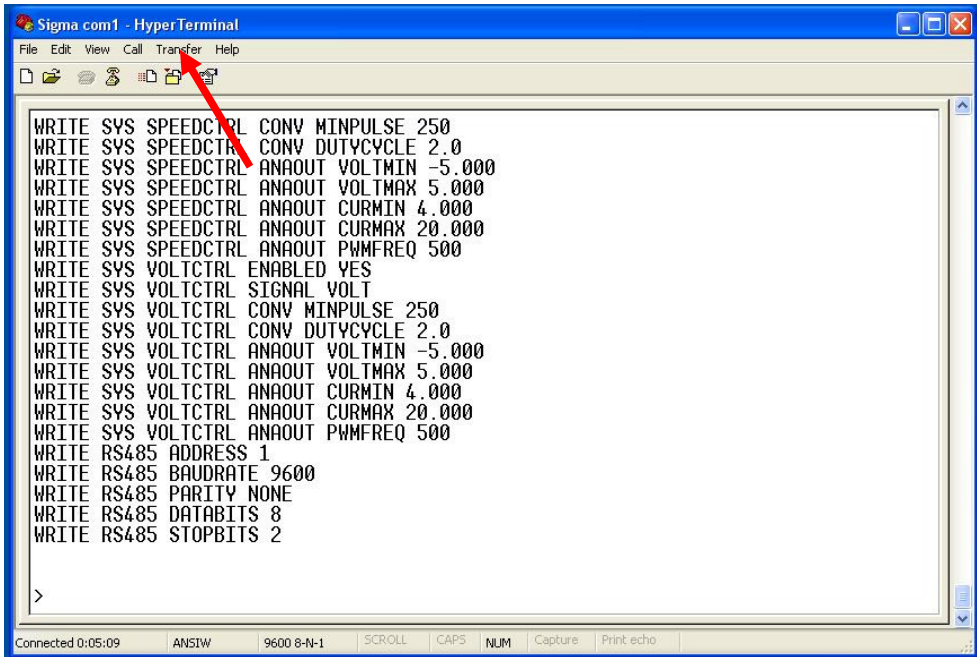
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WRITE SYS SPEEDCTRL CONV MINPULSE 250
WRITE SYS SPEEDCTRL CONV DUTYCYCLE 2.0
WRITE SYS SPEEDCTRL ANAOUT VOLTMIN -5.000
WRITE SYS SPEEDCTRL ANAOUT VOLTMAX 5.000
WRITE SYS SPEEDCTRL ANAOUT CURMIN 4.000
WRITE SYS SPEEDCTRL ANAOUT CURMAX 20.000
WRITE SYS SPEEDCTRL ANAOUT PWMFREQ 500
WRITE SYS VOLTCTRL ENABLED YES
WRITE SYS VOLTCTRL SIGNAL VOLT
WRITE SYS VOLTCTRL CONV MINPULSE 250
WRITE SYS VOLTCTRL CONV DUTYCYCLE 2.0
WRITE SYS VOLTCTRL ANAOUT VOLTMIN -5.000
WRITE SYS VOLTCTRL ANAOUT VOLTMAX 5.000
WRITE SYS VOLTCTRL ANAOUT CURMIN 4.000
WRITE SYS VOLTCTRL ANAOUT CURMAX 20.000
WRITE SYS VOLTCTRL ANAOUT PWMFREQ 500
WRITE RS485 ADDRESS 1
WRITE RS485 BAUDRATE 9600
WRITE RS485 PARITY NONE
WRITE RS485 DATABITS 8
WRITE RS485 STOPBITS 2
>
Connected 0:05:09 ANSIW 9600 8-N-1 SCROLL CAPS NUM Capture Print echo

This lists the current configuration, which has now also been captured to the text file on the desktop.

To stop the capture and close the text file, do as follows.

Left click on the *Transfer* menu.

Select *Capture Text*

Select *Stop*

This ends the capture mode. Hit the ENTER key to get the “>” prompt. Then close the HyperTerminal application.

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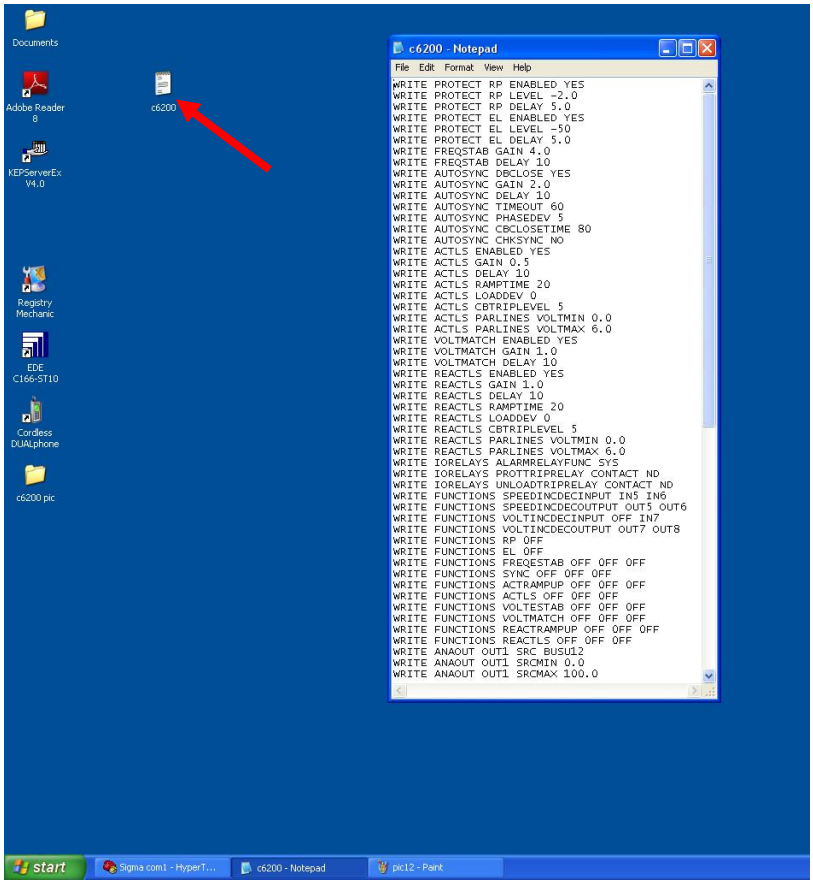
Documents
Adobe Reader 8
KEPServerEx V4.0
Registry Mechanic
EDE C166-ST10
Cordless DUALphone
c6200 pic
c6200
c6200 - Notepad
File Edit Format View Help
WRITE PROTECT RP ENABLED YES
WRITE PROTECT RP LEVEL -2.0
WRITE PROTECT RP DELAY 5.0
WRITE PROTECT EL ENABLED YES
WRITE PROTECT EL LEVEL -50
WRITE PROTECT EL DELAY 5.0
WRITE FREQSTAB GAIN 4.0
WRITE FREQSTAB DELAY 10
WRITE AUTOSYNC DBCLOSE YES
WRITE AUTOSYNC GAIN 2.0
WRITE AUTOSYNC DELAY 10
WRITE AUTOSYNC TIMEOUT 60
WRITE AUTOSYNC PHASEDEV 5
WRITE AUTOSYNC CBCLOSETIME 80
WRITE AUTOSYNC CHKSYNC NO
WRITE ACTLS ENABLED YES
WRITE ACTLS GAIN 0.5
WRITE ACTLS DELAY 10
WRITE ACTLS RAMPTIME 20
WRITE ACTLS LOADDEV 0
WRITE ACTLS CBTRIPLEVEL 5
WRITE ACTLS PARLINES VOLTMIN 0.0
WRITE ACTLS PARLINES VOLTMAX 6.0
WRITE VOLTMATCH ENABLED YES
WRITE VOLTMATCH GAIN 1.0
WRITE VOLTMATCH DELAY 10
WRITE REACTLS ENABLED YES
WRITE REACTLS GAIN 1.0
WRITE REACTLS DELAY 10
WRITE REACTLS RAMPTIME 20
WRITE REACTLS LOADDEV 0
WRITE REACTLS CBTRIPLEVEL 5
WRITE REACTLS PARLINES VOLTMIN 0.0
WRITE REACTLS PARLINES VOLTMAX 6.0
WRITE IORELAYS ALARMRELAYFUNC SYS
WRITE IORELAYS PROTTRIPRELAY CONTACT ND
WRITE IORELAYS UNLOADTRIPRELAY CONTACT ND
WRITE FUNCTIONS SPEEDINCDECINPUT IN5 IN6
WRITE FUNCTIONS SPEEDINCDECOUTPUT OUT5 OUT6
WRITE FUNCTIONS VOLTINCDECINPUT OFF IN7
WRITE FUNCTIONS VOLTINCDECOUTPUT OUT7 OUT8
WRITE FUNCTIONS RP OFF
WRITE FUNCTIONS EL OFF
WRITE FUNCTIONS FREQESTAB OFF OFF OFF
WRITE FUNCTIONS SYNC OFF OFF OFF
WRITE FUNCTIONS ACTRAMPUP OFF OFF OFF
WRITE FUNCTIONS ACTLS OFF OFF OFF
WRITE FUNCTIONS VOLTESTAB OFF OFF OFF
WRITE FUNCTIONS VOLTMATCH OFF OFF OFF
WRITE FUNCTIONS REACTRAMPUP OFF OFF OFF
WRITE FUNCTIONS REACTLS OFF OFF OFF
WRITE ANAOUT OUT1 SRC BUSU12
WRITE ANAOUT OUT1 SRCMIN 0.0
WRITE ANAOUT OUT1 SRCMAX 100.0
start
Sigma com1 - HyperT...
c6200 - Notepad
pic12 - Paint

The configuration is now accessible as a readable text file. The text file contains the list of commands necessary to reestablish the configuration from scratch.

The text file can be store on a disk for safe keeping, or it can be sent by e-mail as an attachment (e.g. for support purposes).

It is also possible to retransmit the file back into the module in order to restore the configuration. This feature is highly practical if you receive a file with a set of configuration commands from SELCO.

Double click on the *C6200 Config.txt* (using the left mouse button) to check the content of the file. Double clicking on a .txt file will open the file in the Notepad text editor.

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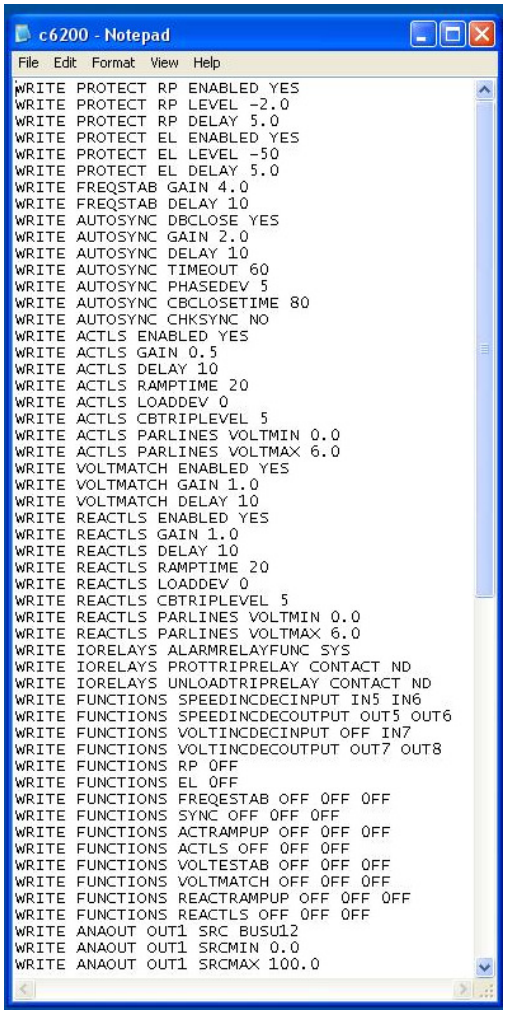
c6200 - Notepad
File Edit Format View Help
WRITE PROTECT RP ENABLED YES
WRITE PROTECT RP LEVEL -2.0
WRITE PROTECT RP DELAY 5.0
WRITE PROTECT EL ENABLED YES
WRITE PROTECT EL LEVEL -50
WRITE PROTECT EL DELAY 5.0
WRITE FREQSTAB GAIN 4.0
WRITE FREQSTAB DELAY 10
WRITE AUTOSYNC DBCLOSE YES
WRITE AUTOSYNC GAIN 2.0
WRITE AUTOSYNC DELAY 10
WRITE AUTOSYNC TIMEOUT 60
WRITE AUTOSYNC PHASEDEV 5
WRITE AUTOSYNC CBCLOSETIME 80
WRITE AUTOSYNC CHKSYNC NO
WRITE ACTLS ENABLED YES
WRITE ACTLS GAIN 0.5
WRITE ACTLS DELAY 10
WRITE ACTLS RAMPTIME 20
WRITE ACTLS LOADDEV 0
WRITE ACTLS CBTRIPLEVEL 5
WRITE ACTLS PARLINES VOLTMIN 0.0
WRITE ACTLS PARLINES VOLTMAX 6.0
WRITE VOLTMATCH ENABLED YES
WRITE VOLTMATCH GAIN 1.0
WRITE VOLTMATCH DELAY 10
WRITE REACTLS ENABLED YES
WRITE REACTLS GAIN 1.0
WRITE REACTLS DELAY 10
WRITE REACTLS RAMPTIME 20
WRITE REACTLS LOADDEV 0
WRITE REACTLS CBTRIPLEVEL 5
WRITE REACTLS PARLINES VOLTMIN 0.0
WRITE REACTLS PARLINES VOLTMAX 6.0
WRITE IORELAYS ALARMRELAYFUNC SYS
WRITE IORELAYS PROTTRIPRELAY CONTACT ND
WRITE IORELAYS UNLOADTRIPRELAY CONTACT ND
WRITE FUNCTIONS SPEEDINCDECINPUT IN5 IN6
WRITE FUNCTIONS SPEEDINCDECOUTPUT OUT5 OUT6
WRITE FUNCTIONS VOLTINCDECINPUT OFF IN7
WRITE FUNCTIONS VOLTINCDECOUTPUT OUT7 OUT8
WRITE FUNCTIONS RP OFF
WRITE FUNCTIONS EL OFF
WRITE FUNCTIONS FREQESTAB OFF OFF OFF
WRITE FUNCTIONS SYNC OFF OFF OFF
WRITE FUNCTIONS ACTRAMPUP OFF OFF OFF
WRITE FUNCTIONS ACTLS OFF OFF OFF
WRITE FUNCTIONS VOLTESTAB OFF OFF OFF
WRITE FUNCTIONS VOLTMATCH OFF OFF OFF
WRITE FUNCTIONS REACTRAMPUP OFF OFF OFF
WRITE FUNCTIONS REACTLS OFF OFF OFF
WRITE ANAOUT OUT1 SRC BUSU12
WRITE ANAOUT OUT1 SRCMIN 0.0
WRITE ANAOUT OUT1 SRCMAX 100.0

It is necessary to scroll the contents of the notepad widow to view the full content of the file.

It might be necessary to clean the text file for excess characters and lines. The excess characters and lines (e.g. “>” prompts, linefeeds and commands) might be present at the beginning and end of the command list. The amount of excess information depends on when the capture was started and ended. The excess characters and lines can be easily deleted by editing the file, where after the file can be updated using the Save… function of the Notepad File menu.

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7 Restoring the configuration

The configuration of the C6200 module can be easily restored from a text file containing the setting. The generation of the text file (backup) is described above.

Start the HyperTerminal from the desktop short-cut (double click on the *Direct COM1.ht* short-cut).

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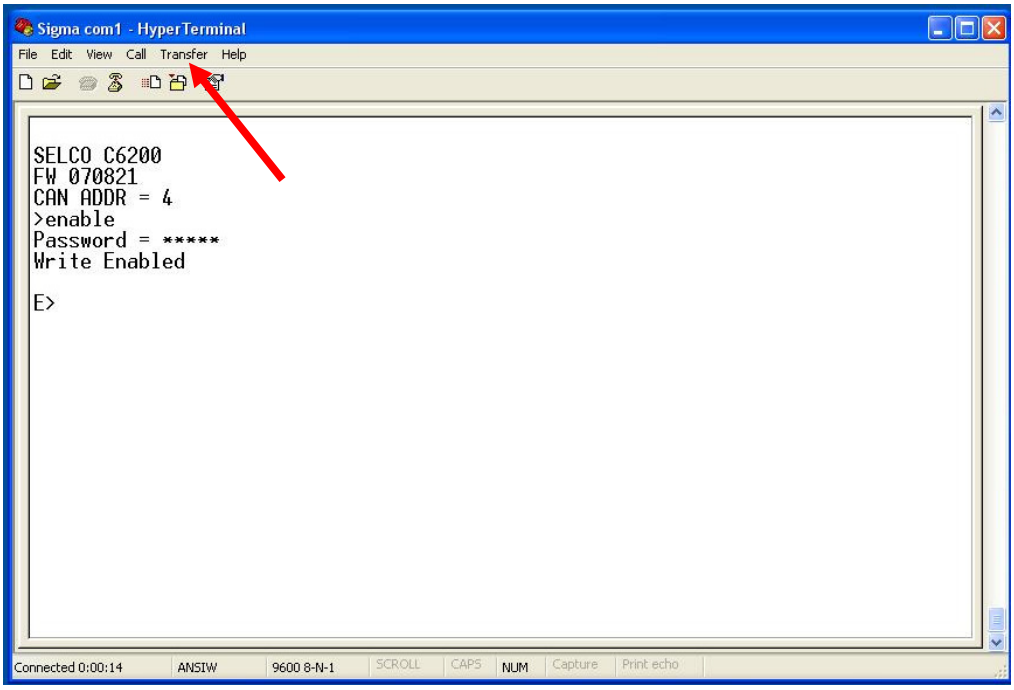

Enable the module for READ/WRITE access using the ENABLE command (default password is 0000). Then Left click on the *Transfer* menu.

Select *Send Text File...*

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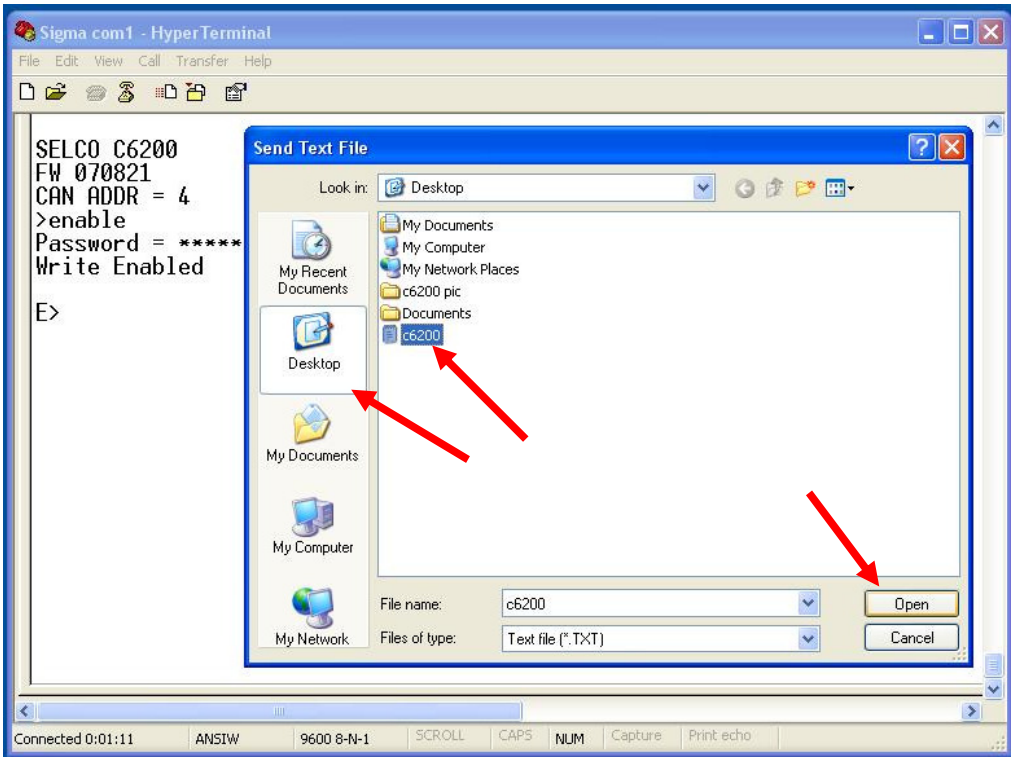

It's now necessary to choose the location and filename of the text file containing the configuration.

Left click on the *Desktop* icon at the left side of the dialogue.

Click on the *C6200 Config.txt* (or whatever is the name of the file).

Left click on the *Open* button.

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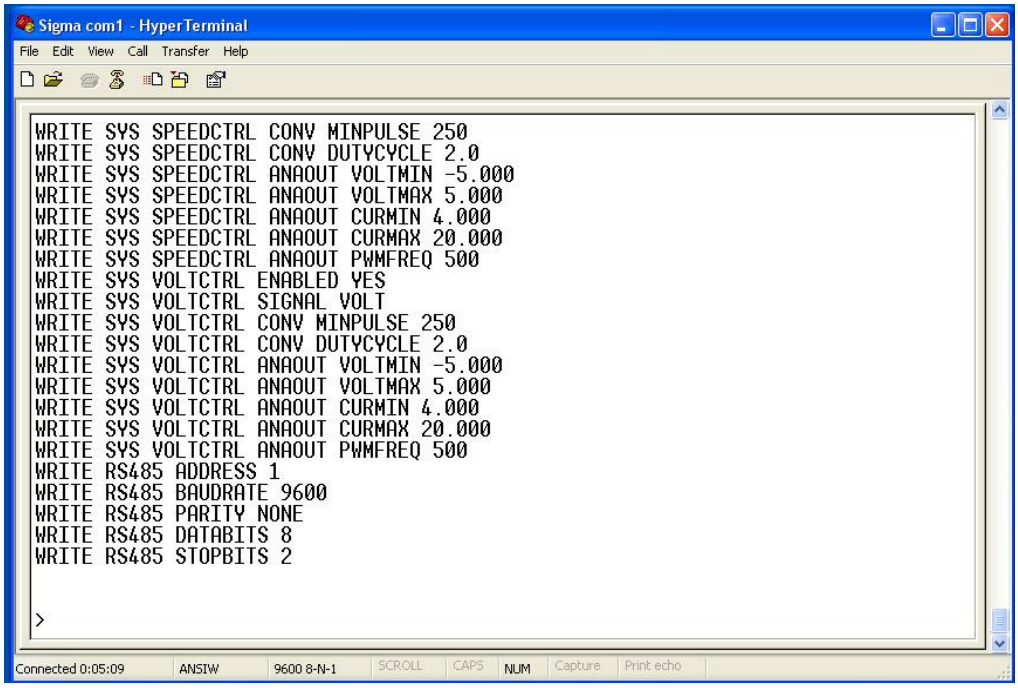
Sigma com1 - HyperTerminal
File Edit View Call Transfer Help
WRITE SYS SPEEDCTRL CONV MINPULSE 250
WRITE SYS SPEEDCTRL CONV DUTYCYCLE 2.0
WRITE SYS SPEEDCTRL ANAOUT VOLTMIN -5.000
WRITE SYS SPEEDCTRL ANAOUT VOLTMAX 5.000
WRITE SYS SPEEDCTRL ANAOUT CURMIN 4.000
WRITE SYS SPEEDCTRL ANAOUT CURMAX 20.000
WRITE SYS SPEEDCTRL ANAOUT PWMFREQ 500
WRITE SYS VOLTCTRL ENABLED YES
WRITE SYS VOLTCTRL SIGNAL VOLT
WRITE SYS VOLTCTRL CONV MINPULSE 250
WRITE SYS VOLTCTRL CONV DUTYCYCLE 2.0
WRITE SYS VOLTCTRL ANAOUT VOLTMIN -5.000
WRITE SYS VOLTCTRL ANAOUT VOLTMAX 5.000
WRITE SYS VOLTCTRL ANAOUT CURMIN 4.000
WRITE SYS VOLTCTRL ANAOUT CURMAX 20.000
WRITE SYS VOLTCTRL ANAOUT PWMFREQ 500
WRITE RS485 ADDRESS 1
WRITE RS485 BAUDRATE 9600
WRITE RS485 PARITY NONE
WRITE RS485 DATABITS 8
WRITE RS485 STOPBITS 2
>
Connected 0:05:09 ANSIW 9600 8-N-1 SCROLL CAPS NUM Capture Print echo

This causes the content of the text file (C6200 Config.txt) to be written back into the C6200 module – line by line.

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8 Reducing the Send Text speed

The transfer speed of the *Send Text…*function (described in conjunction with the Configuration Restore procedure) can be reduced. Normally it is perfectly OK to run at full speed (0 ms character and line delay), however in some cases it may be practical to slow down the process. One reason could be to visually confirm the restore line by line.

Start the HyperTerminal from the desktop short-cut (double click on the *Direct COM1.ht* short-cut).

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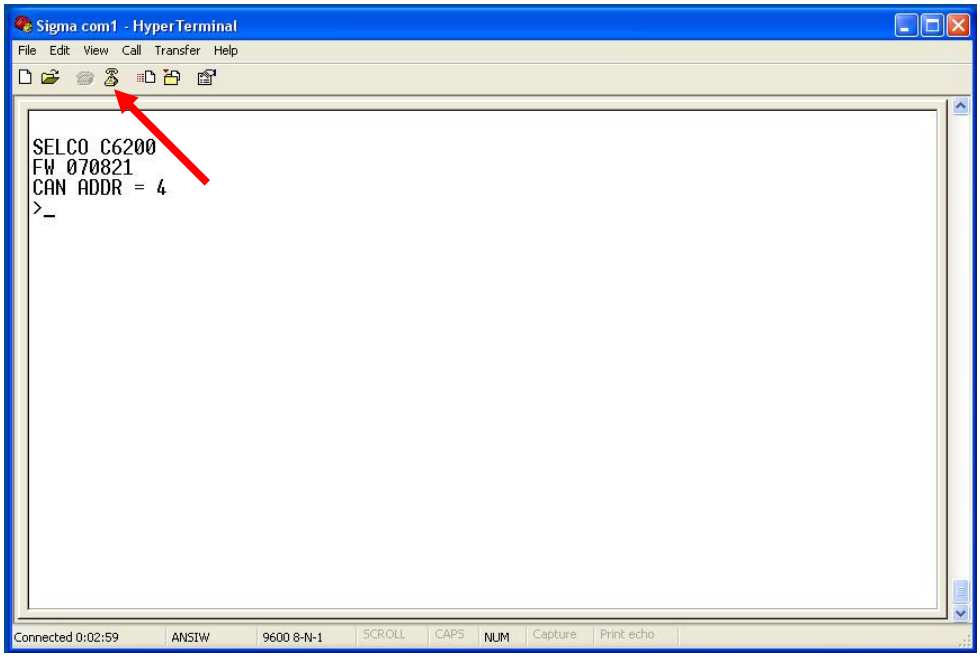
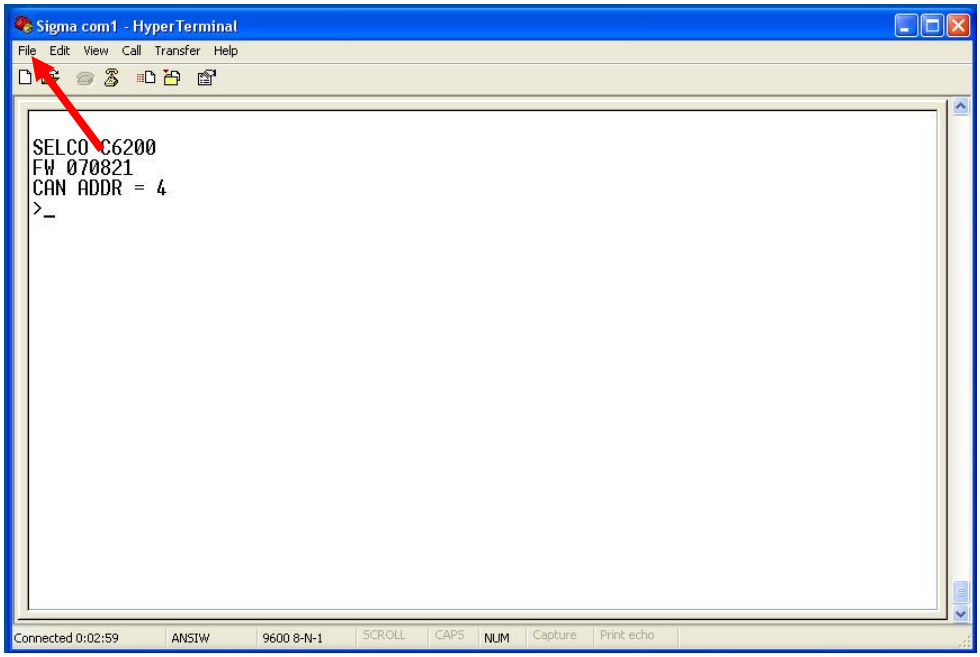


Click on the *Disconnect* icon to close the connection to the module.



Left click on the *File* menu.

Select *Properties*

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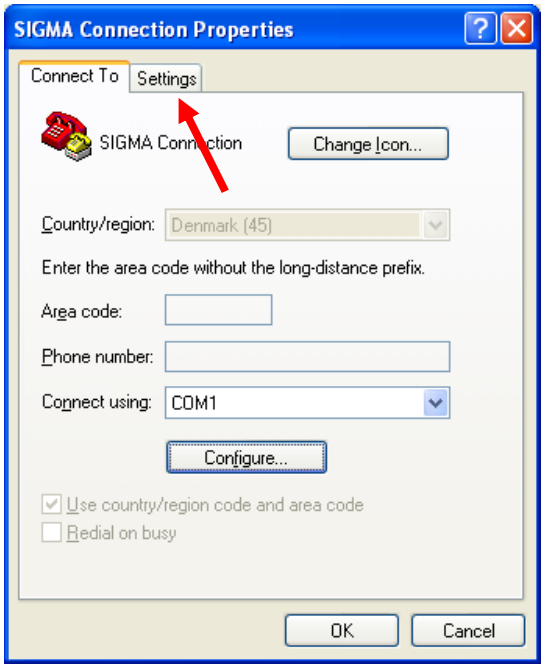
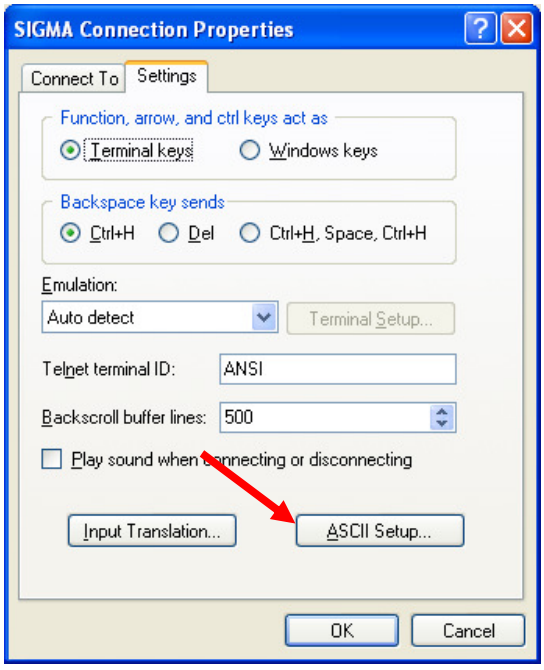


Click on the *Settings* tab.



Click on the *ASCII Setup…*button.

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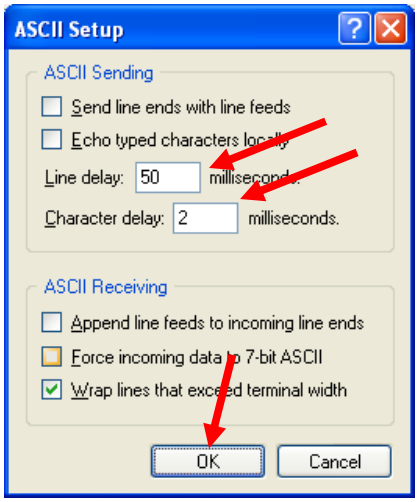

Set the *Line delay* to 50 millisecond. This is the delay between each command.

Set the *Character delay* to 2 milliseconds. This is the delay between the individual characters.

Click on the *OK* button to accept the new settings and close the *ASCII Setup* dialogue.

Click on the *OK* button to close the *Properties* dialogue.

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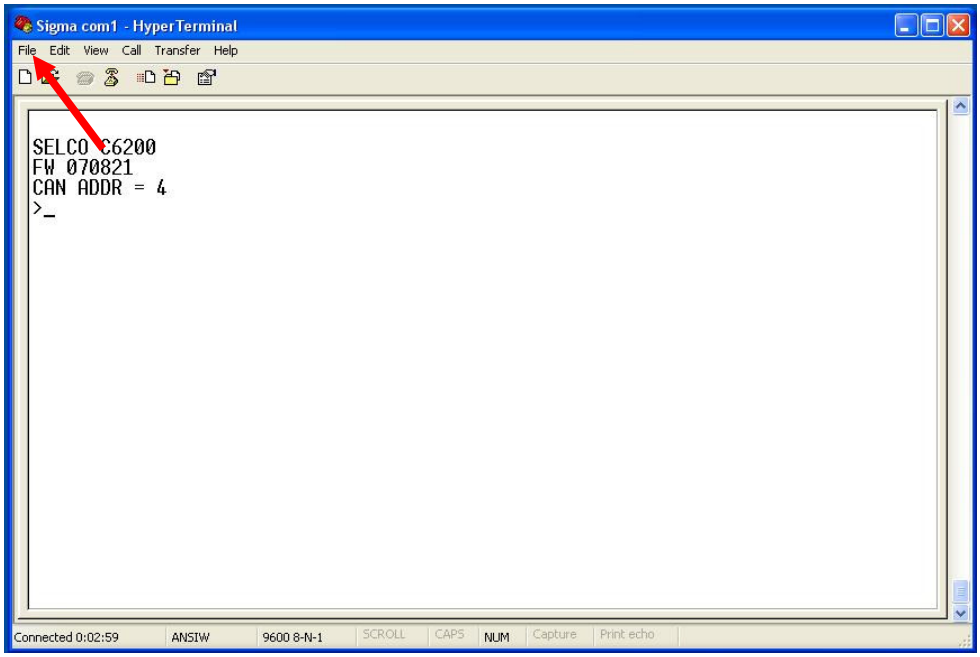

It is practical to update the desktop short-cut (HyperTerminal configuration) with the new settings.

Left click on the *File* menu.

Select *Save.*

Return the Configuration Restore procedure, as described above.

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